Journal of Applied Mechanics

Author Index

All authors of papers published in this volume are listed alphabetically. Full titles are included in each first author's entry. Letters in parentheses follow some of the page numbers: BN indicates Brief Note, D indicates Discussion, E indicates Errata, and BR indicates Book Review.

Abeyaratne, R., and Knowles, J. K. — A Note on the Driving Traction Acting on a Propagating Interface: Adiabatic and Non-Adiabatic Processes of a Continuum. **67,** 829–830(BN)
Adams, G. G. — Radiation of Body Waves Induced by the Sliding of an Elastic Half-Space Against a Rigid Surface. **67,** 1–5
Adhikari, S. — On Symmetrizable Systems of Second Kind. **67,** 797–802
Akkas, Z. — (see Zakout, U.) **67,** 282–287
Allen, D. H., Reviewer — (see Hetnarski, R. B., Editor) **67,** 430(BR)
Anlas, G. — (see Elbeyli, O.) **67,** 621–626(BN)
Arakeri, J. H. — (see Das, D.) **67,** 274–281
Araki, Y. — (see Uetani, K.) **67,** 581–589
Armanios, E. A. — (see Makeev, A.) **67,** 96–104
Armstrong, W. D., and Kumar, V. — A Stress and Relative Density-Dependent Dynamic Compliance Spectra Model of the Creep Response of Microcellular Polycarbonate. **67,** 663–666
Ashrafi, N. — (see Khayat, R. E.) **67,** 834–837(BN)

Baginski, F., and Collier, W. — A Mathematical Model for the Strained Shape of a Large Scientific Balloon at Float Altitude. **67,** 6–16
Banerjee, J. R. — Explicit Modal Analysis of an Axially Loaded Timoshenko Beam With Bending-Torsion Coupling. **67,** 307–313
Batra, R. C., and Yu, J. H. — Torsion of a Viscoelastic Cylinder. **67,** 424–427(BN)
____ (see Vel, S. S.) **67,** 558–567
Bechtel, S. E., Vohra, S., Jacob, K. I., and Carlson, C. D. — The Stretching and Slipping of Belts and Fibers on Pulleys. **67,** 197–206
Begley, M. R. — (see Berger, E. J.) **67,** 785–792
Berger, E. J., Begley, M. R., and Mahajani, M. — Structural Dynamic Effects on Interface Response: Formulation and Simulation Under Partial Slipping Conditions. **67,** 785–792
Bhagat, R. B. — (see Rajesh, G.) **67,** 749–757
Bhattacharyya, R. — Behavior of a Rubber Spring Pendulum. **67,** 332–337
Bonnaud, E. L., and Neumeister, J. M. — Proper Boundary Conditions for Infinitely Layered Orthotropic Media. **67,** 629–632(BN)
Bourgin, P. — (see Woehl, P.) **67,** 712–716
Brock, L. M. — Effects of Mixed-Mode and Crack Surface Convection in Rapid Crack Growth in Coupled Thermoelastic Solids. **67,** 59–65
Bruschelli, L., and Latorrata, V. — The Influence of "Shell Behavior" on Load Distribution for Thin-Walled Conical Joints. **67,** 298–306
Butcher, E. A., and Segalman, D. J. — Characterizing Damping and Restitution in Compliant Impacts via Modified K-V and Higher-Order Linear Viscoelastic Models. **67,** 831–834(BN)

Cai, C. W. — (see Chan, H. C.) **67,** 140–147
Cai, J. B. — (see Chen, W. Q.) **67,** 422–424(BN)
Carlson, C. D. — (see Bechtel, S. E.) **67,** 197–206
Caughey, T. K. — (see Smyth, A. W.) **67,** 540–551
Cederbaum, G. — Dynamic Stability of Poroelastic Columns. **67,** 360–362
Chan, H. C., Cai, C. W., and Cheung, Y. K. — Forced Vibration Analysis for Damped Periodic Systems With One Nonlinear Disorder. **67,** 140–147
Chandrasekar, S. — (see Madhavan, V.) **67,** 128–139
Chang, C.-L. — (see Chen, W.-H.) **67,** 606–615
Chang, Y. B., and Moretti, P. M. — Aerodynamic Characteristics of Pressure-Pad Air Bars. **67,** 177–182
Chao, C. K., and Tan, C. J. — On the General Solutions for Annular Problems With a Point Heat Source. **67,** 511–518
Chen, J. Y., Huang, Y., Hwang, K. C., and Xia, Z. C. — Plane-Stress Deformation in Strain Gradient Plasticity. **67,** 105–111
Chen, W.-H., Chang, C.-L., and Tsai, C.-H. — Elastodynamic Fracture Analysis of Multiple Cracks by Laplace Finite Element Alternating Method. **67,** 606–615
Chen, W. Q. — On the General Solution for Piezothermoelasticity for Transverse Isotropy With Application. **67,** 705–711
____, **Cai, J. B., Ye, G. R., and Ding, H. J.** — On Eigenfrequencies of an Anisotropic Sphere. **67,** 422–424(BN)
Chern, S. M., and Tuttle, M. E. — On Displacement Fields in Orthotropic Laminates Containing an Elliptical Hole. **67,** 527–539
Cheung, Y. K. — (see Chan, H. C.) **67,** 140–147
Chiskis, A., and Parnes, R. — On Torsion of Closed Thin-Wall Members With Arbitrary Stress-Strain Laws: A General Criterion for Cross Sections Exhibiting No Warping. **67,** 460–464
Chu, E. — (see Scherzinger, W.) **67,** 691–696
Cleghorn, W. L. — (see Yu, S. D.) **67,** 839–841(BN)
Collier, W. — (see Baginski, F.) **67,** 6–16
Costello, G. A. — (see Paris, A. J.) **67,** 117–127

Das, D., and Arakeri, J. H. — Unsteady Laminar Duct Flow With a Given Volume Flow Rate Variation. **67,** 274–281
Detournay, E. — (see Garagash, D.) **67,** 183–192
Ding, H. J. — (see Chen, W. Q.) **67,** 422–424(BN)
Di Paola, M. — (see Petrucci, G.) **67,** 519–526
Djerassi, S. — Stick-Slip, Imposition-Removal of Constraints and the Spinning Ball Problem. **67,** 720–726
Doll, S., and Schweizerhof, K. — On the Development of Volumetric Strain Energy Functions. **67,** 17–21
Doss, D. J. — (see Ortt, E. M.) **67,** 465–471
Du, S. Y. — (see Wang, B. L.) **67,** 87–95
Dumont, D., Lebon, F., and Khaoua, A. Ould — A Numerical Tool for Periodic Heterogeneous Media: Application to Interface in Al/SiC Composites. **67,** 214–217(BN)
Durban, D., and Papanastasiou, P. — Plastic Bifurcation in the Triaxial Confining Pressure Test. **67,** 552–557

Eberhard, Peter — (see Hu, Bin) **67,** 637(D)
Elbeyli, O., and Anlas, G. — The Nonlinear Response of a Simply Supported Rectangular Metallic Plate to Transverse Harmonic Excitation. **67,** 621–626(BN)
Elishakoff, I. — (see Zingales, M.) **67,** 472–484
Engelstad, R. L. — (see Tejeda, R. O.) **67,** 837–839(BN)

Journal of Applied Mechanics

Author Index

All authors of papers published in this volume are listed alphabetically. Full titles are included in each first author's entry. Letters in parentheses follow some of the page numbers: BN indicates Brief Note, D indicates Discussion, E indicates Errata, and BR indicates Book Review.

Abeyaratne, R., and Knowles, J. K. — A Note on the Driving Traction Acting on a Propagating Interface: Adiabatic and Non-Adiabatic Processes of a Continuum. **67,** 829–830(BN)
Adams, G. G. — Radiation of Body Waves Induced by the Sliding of an Elastic Half-Space Against a Rigid Surface. **67,** 1–5
Adhikari, S. — On Symmetrizable Systems of Second Kind. **67,** 797–802
Akkas, Z. — (see Zakout, U.) **67,** 282–287
Allen, D. H., Reviewer — (see Hetnarski, R. B., Editor) **67,** 430(BR)
Anlas, G. — (see Elbeyli, O.) **67,** 621–626(BN)
Arakeri, J. H. — (see Das, D.) **67,** 274–281
Araki, Y. — (see Uetani, K.) **67,** 581–589
Armanios, E. A. — (see Makeev, A.) **67,** 96–104
Armstrong, W. D., and Kumar, V. — A Stress and Relative Density-Dependent Dynamic Compliance Spectra Model of the Creep Response of Microcellular Polycarbonate. **67,** 663–666
Ashrafi, N. — (see Khayat, R. E.) **67,** 834–837(BN)

Baginski, F., and Collier, W. — A Mathematical Model for the Strained Shape of a Large Scientific Balloon at Float Altitude. **67,** 6–16
Banerjee, J. R. — Explicit Modal Analysis of an Axially Loaded Timoshenko Beam With Bending-Torsion Coupling. **67,** 307–313
Batra, R. C., and Yu, J. H. — Torsion of a Viscoelastic Cylinder. **67,** 424–427(BN)
____ (see Vel, S. S.) **67,** 558–567
Bechtel, S. E., Vohra, S., Jacob, K. I., and Carlson, C. D. — The Stretching and Slipping of Belts and Fibers on Pulleys. **67,** 197–206
Begley, M. R. — (see Berger, E. J.) **67,** 785–792
Berger, E. J., Begley, M. R., and Mahajani, M. — Structural Dynamic Effects on Interface Response: Formulation and Simulation Under Partial Slipping Conditions. **67,** 785–792
Bhagat, R. B. — (see Rajesh, G.) **67,** 749–757
Bhattacharyya, R. — Behavior of a Rubber Spring Pendulum. **67,** 332–337
Bonnaud, E. L., and Neumeister, J. M. — Proper Boundary Conditions for Infinitely Layered Orthotropic Media. **67,** 629–632(BN)
Bourgin, P. — (see Woehl, P.) **67,** 712–716
Brock, L. M. — Effects of Mixed-Mode and Crack Surface Convection in Rapid Crack Growth in Coupled Thermoelastic Solids. **67,** 59–65
Bruschelli, L., and Latorrata, V. — The Influence of "Shell Behavior" on Load Distribution for Thin-Walled Conical Joints. **67,** 298–306
Butcher, E. A., and Segalman, D. J. — Characterizing Damping and Restitution in Compliant Impacts via Modified K-V and Higher-Order Linear Viscoelastic Models. **67,** 831–834(BN)

Cai, C. W. — (see Chan, H. C.) **67,** 140–147
Cai, J. B. — (see Chen, W. Q.) **67,** 422–424(BN)
Carlson, C. D. — (see Bechtel, S. E.) **67,** 197–206
Caughey, T. K. — (see Smyth, A. W.) **67,** 540–551
Cederbaum, G. — Dynamic Stability of Poroelastic Columns. **67,** 360–362
Chan, H. C., Cai, C. W., and Cheung, Y. K. — Forced Vibration Analysis for Damped Periodic Systems With One Nonlinear Disorder. **67,** 140–147
Chandrasekar, S. — (see Madhavan, V.) **67,** 128–139
Chang, C.-L. — (see Chen, W.-H.) **67,** 606–615
Chang, Y. B., and Moretti, P. M. — Aerodynamic Characteristics of Pressure-Pad Air Bars. **67,** 177–182
Chao, C. K., and Tan, C. J. — On the General Solutions for Annular Problems With a Point Heat Source. **67,** 511–518
Chen, J. Y., Huang, Y., Hwang, K. C., and Xia, Z. C. — Plane-Stress Deformation in Strain Gradient Plasticity. **67,** 105–111
Chen, W.-H., Chang, C.-L., and Tsai, C.-H. — Elastodynamic Fracture Analysis of Multiple Cracks by Laplace Finite Element Alternating Method. **67,** 606–615
Chen, W. Q. — On the General Solution for Piezothermoelasticity for Transverse Isotropy With Application. **67,** 705–711
____, **Cai, J. B., Ye, G. R., and Ding, H. J.** — On Eigenfrequencies of an Anisotropic Sphere. **67,** 422–424(BN)
Chern, S. M., and Tuttle, M. E. — On Displacement Fields in Orthotropic Laminates Containing an Elliptical Hole. **67,** 527–539
Cheung, Y. K. — (see Chan, H. C.) **67,** 140–147
Chiskis, A., and Parnes, R. — On Torsion of Closed Thin-Wall Members With Arbitrary Stress-Strain Laws: A General Criterion for Cross Sections Exhibiting No Warping. **67,** 460–464
Chu, E. — (see Scherzinger, W.) **67,** 691–696
Cleghorn, W. L. — (see Yu, S. D.) **67,** 839–841(BN)
Collier, W. — (see Baginski, F.) **67,** 6–16
Costello, G. A. — (see Paris, A. J.) **67,** 117–127

Das, D., and Arakeri, J. H. — Unsteady Laminar Duct Flow With a Given Volume Flow Rate Variation. **67,** 274–281
Detournay, E. — (see Garagash, D.) **67,** 183–192
Ding, H. J. — (see Chen, W. Q.) **67,** 422–424(BN)
Di Paola, M. — (see Petrucci, G.) **67,** 519–526
Djerassi, S. — Stick-Slip, Imposition-Removal of Constraints and the Spinning Ball Problem. **67,** 720–726
Doll, S., and Schweizerhof, K. — On the Development of Volumetric Strain Energy Functions. **67,** 17–21
Doss, D. J. — (see Ortt, E. M.) **67,** 465–471
Du, S. Y. — (see Wang, B. L.) **67,** 87–95
Dumont, D., Lebon, F., and Khaoua, A. Ould — A Numerical Tool for Periodic Heterogeneous Media: Application to Interface in Al/SiC Composites. **67,** 214–217(BN)
Durban, D., and Papanastasiou, P. — Plastic Bifurcation in the Triaxial Confining Pressure Test. **67,** 552–557

Eberhard, Peter — (see Hu, Bin) **67,** 637(D)
Elbeyli, O., and Anlas, G. — The Nonlinear Response of a Simply Supported Rectangular Metallic Plate to Transverse Harmonic Excitation. **67,** 621–626(BN)
Elishakoff, I. — (see Zingales, M.) **67,** 472–484
Engelstad, R. L. — (see Tejeda, R. O.) **67,** 837–839(BN)

Er, G.-K. — The Probabilistic Solutions to Nonlinear Random Vibrations of Multi-Degree-of-Freedom Systems. **67,** 355–359

Farquhar, T., Wood, J. Z., and van Beem, J. — The Kinematics of Wheat Struck by a Wind Gust. **67,** 496–502
Farris, T. N. — (see Madhavan, V.) **67,** 128–139
Felippa, C. A. — On the Original Publication of the General Canonical Functional of Linear Elasticity. **67,** 217–219(BN)
Feng, Z. C. — (see Liew, K. M.) **67,** 314–320
Fichthorn, K. A. — (see Rajesh, G.) **67,** 749–757
Fischer, F. D., and Oberaigner, E. R. — Deformation, Stress State, and Thermodynamic Force for a Transforming Spherical Inclusion in an Elastic-Plastic Material. **67,** 793–796
Forrestal, M. J. — (see Frew, D. J.) **67,** 841–845(BN)
Fox, B., Jennings, L. S., and Zomaya, A. Y. — Numerical Computation of Differential-Algebraic Equations for the Approximation of Artificial Satellite Trajectories and Planetary Ephemerides. **67,** 574–580
Frew, D. J., Forrestal, M. J., and Hanchak, S. J. — Penetration Experiments With Limestone Targets and Ogive-Nose Steel Projectiles. **67,** 841–845(BN)

Gao, X.-L. — Alternative Derivation of Marguerre's Displacement Solution in Plane Isotropic Elasticity. **67,** 419–421(BN)
Garagash, D., and Detournay, E. — The Tip Region of a Fluid-Driven Fracture in an Elastic Medium. **67,** 183–192
Ghandehari, M., Krishnaswamy, S., and Shah, S. — Bond-Induced Longitudinal Fracture in Reinforced Concrete. **67,** 740–748
Giannakopoulos, A. E. — Strength Analysis of Spherical Indentation of Piezoelectric Materials. **67,** 409–416
Gulick, D. W., and O'Reilly, O. M. — On the Dynamics of the Dynabee. **67,** 321–325
Guo, C. Q., and Paidoussis, M. P. — Stability of Rectangular Plates With Free Side-Edges in Two-Dimensional Inviscid Channel Flow. **67,** 171–176
Guo, J. — (see Wu, M. S.) **67,** 50–58
Guven, I. — (see Sburlati, R.) **67,** 590–596

Haj-Hariri, H., and Poulikakos, D. — Capillary Instability of a Cylindrical Jet With an Elastic Shroud: A Model for the Breakup of an Oxidized Metal Jet. **67,** 626–628(BN)
Han, J. C. — (see Wang, B. L.) **67,** 87–95
Hanchak, S. J. — (see Frew, D. J.) **67,** 841–845(BN)
Hao, S., Liu, W. K., and Qian, D. — Localization-Induced Band and Cohesive Model. **67,** 803–812
Hasebe, N. — (see Zheng, T.) **67,** 485–495
He, J.-H. — Generalized Hellinger-Reissner Principle. **67,** 326–331
He, M. Y., and Hutchinson, J. W. — Asymmetric Four-Point Crack Specimen. **67,** 207–209(BN)
Hector, L. G., Jr., Howarth, J. A., Richmond, O., and Kim, W.-S. — Mold Surface Wavelength Effect on Gap Nucleation in Solidification. **67,** 155–164
_____ (see Yigit, F.) **67,** 66–76
_____ (see Yigit, F.) **67,** 77–86
Helsing, J. — On the Interior Stress Problem for Elastic Bodies. **67,** 658–662
Hetnarski, R. B., Editor, and Allen, D. H., Reviewer — Thermal Stresses V. **67,** 430(BR)
Hodges, D. H. — (see Volovoi, V. V.) **67,** 453–459
Howarth, J. A. — (see Hector, L. G., Jr.) **67,** 155–164
Hu, Bin, and Eberhard, Peter — Closure to "Discussion of 'Response Bounds for Linear Damped Systems' " (2000, ASME J. Appl. Mech., 67, p. 636). **67,** 637(D)
Hu, Y. — (see Li, S.) **67,** 777–784
Huang, Y. — (see Chen, J. Y.) **67,** 105–111
_____ (see Li, S.) **67,** 777–784
Humphrey, J. D. — (see Ortt, E. M.) **67,** 465–471
Hunter, N. F. — (see Smyth, A. W.) **67,** 540–551
Hutchinson, J. W. — (see He, M. Y.) **67,** 207–209(BN)
Hwang, K. C. — (see Chen, J. Y.) **67,** 105–111

Ingman, D., Suzdalnitsky, J., and Zeifman, M. — Constitutive Dynamic-Order Model for Nonlinear Contact Phenomena. **67,** 383–390

Jacob, K. I. — (see Bechtel, S. E.) **67,** 197–206
Jemiolo, S., and Turteltaub, S. — A Parametric Model for a Class of Foam-Like Isotropic Hyperelastic Materials. **67,** 248–254
Jennings, L. S. — (see Fox, B.) **67,** 574–580
Jensen, J. S., Tcherniak, D. M., and Thomsen, J. J. — Stiffening Effects of High-Frequency Excitation: Experiments for an Axially Loaded Beam. **67,** 397–402
Johansson, L., and Klarbring, A. — Study of Frictional Impact Using a Nonsmooth Equations Solver. **67,** 267–273

Khaoua, A. Ould — (see Dumont, D.) **67,** 214–217(BN)
Khayat, R. E., and Ashrafi, N. — Finite-Amplitude Elastic Instability of Plane-Poiseuille Flow of Viscoelastic Fluids. **67,** 834–837(BN)
Kim, W.-S. — (see Hector, L. G., Jr.) **67,** 155–164
Klarbring, A. — (see Johansson, L.) **67,** 267–273
Knowles, J. K. — (see Abeyaratne, R.) **67,** 829–830(BN)
Krenk, S. — Vibrations of a Taut Cable With an External Damper. **67,** 772–776
Krishnaswamy, S. — (see Ghandehari, M.) **67,** 740–748
_____ (see Lee, H.) **67,** 444–452
Kumar, V. — (see Armstrong, W. D.) **67,** 663–666
Kwon, Soon Man — (see Shin, Jeong Woo) **67,** 846–847(BN)
Kyriakides, S., and Miller, J. E. — On the Propagation of Lüders Bands in Steel Strips. **67,** 645–654

Lam, K. Y. — (see Xi, Z. C.) **67,** 427–429(BN)
_____ (see Zong, Z.) **67,** 758–762
Lambros, J. — (see Santare, M. H.) **67,** 819–822
Latorrata, V. — (see Bruschelli, L.) **67,** 298–306
Lebon, F. — (see Dumont, D.) **67,** 214–217(BN)
Lee, H., and Krishnaswamy, S. — Quasi-Static Propagation of Subinterfacial Cracks. **67,** 444–452
Lee, J. H., and Oung, J. — Yield Functions and Flow Rules for Porous Pressure-Dependent Strain-Hardening Polymeric Materials. **67,** 288–297
Lee, K. H. — Stress and Displacement Fields for Propagating the Crack Along the Interface of Dissimilar Orthotropic Materials Under Dynamic Mode I and II Load. **67,** 223–228(BN)
Lee, K.-Y., and Renshaw, A. A. — Solution of the Moving Mass Problem Using Complex Eigenfunction Expansions. **67,** 823–827
Lee, Kang Yong, Lee, Won Gyu, and Pak, Y. Eugene — Interaction Between a Semi-Infinite Crack and a Screw Dislocation in a Piezoelectric Material. **67,** 165–170(BN)
_____ (see Shin, Jeong Woo) **67,** 846–847(BN)
Lee, S. K. — Stability Analysis of an Initially Inclined Ship in Following Sea. **67,** 717–719
Lee, Won Gyu — (see Lee, Kang Yong) **67,** 165–170(BN)
Legall, E. — (see Ortt, E. M.) **67,** 465–471
Lenci, S. — Melan's Problems With Weak Interface. **67,** 22–28
Lesburg, L. — (see Vu-Quoc, L.) **67,** 363–371
Levin, V. A., Lokhin, V. V., and Zingerman, K. M. — Effective Elastic Properties of Porous Materials With Randomly Dispersed Pores: Finite Deformation. **67,** 667–670

Levy, A. J. — The Fiber Composite With Nonlinear Interface—Part I: Axial Tension. **67,** 727–732
——— The Fiber Composite With Nonlinear Interface—Part II: Antiplane Shear. **67,** 733–739
Li, J. M. — (see Shi, J. P.) **67,** 828–829(BN)
Li, S., Nie, J., Qian, J., Huang, Y., and Hu, Y. — Initial Post-Buckling and Growth of a Circular Delamination Bridged by Nonlinear Fibers. **67,** 777–784
Liechti, K. M. — (see Roy, S.) **67,** 391–396
Liew, K. M., and Feng, Z. C. — Vibration Characteristics of Conical Shell Panels With Three-Dimensional Flexibility. **67,** 314–320
Lin, Ru-Li, and Ma, Chien-Ching — Antiplane Deformations for Anisotropic Multilayered Media by Using the Coordinate Transform Method. **67,** 597–605
Lin, T. H., Wong, K. K. F., and Teng, N. J. — Micromechanics of Hysteresis Loops of Fatigue in a Single Crystal. **67,** 338–343
Liu, G. R. — (see Xi, Z. C.) **67,** 427–429(BN)
Liu, W. K. — (see Hao, S.) **67,** 803–812
Liu, X. H. — (see Shi, J. P.) **67,** 828–829(BN)
Liu, Y. J., Xu, N., and Luo, J. F. — Modeling of Interphases in Fiber-Reinforced Composites Under Transverse Loading Using the Boundary Element Method. **67,** 41–49
Lokhin, V. V. — (see Levin, V. A.) **67,** 667–670
Lovell, E. G. — (see Tejeda, R. O.) **67,** 837–839(BN)
Luo, A. C. J., and Mote, C. D., Jr. — Equilibrium Solutions and Existence for Traveling, Arbitrarily Sagged Elastic Cables. **67,** 148–154
Luo, J. F. — (see Liu, Y. J.) **67,** 41–49

Ma, Chien-Ching — (see Lin, Ru-Li) **67,** 597–605
Madenci, E. — (see Sburlati, R.) **67,** 590–596
Madhavan, V., Chandrasekar, S., and Farris, T. N. — Machining as a Wedge Indentation. **67,** 128–139
Mahajani, M. — (see Berger, E. J.) **67,** 785–792
Makeev, A., and Armanios, E. A. — An Iterative Method for Solving Elasticity Problems for Composite Laminates. **67,** 96–104
Masri, S. F. — (see Smyth, A. W.) **67,** 540–551
Miller, J. E. — (see Kyriakides, S.) **67,** 645–654
Moretti, P. M. — (see Chang, Y. B.) **67,** 177–182
Mote, C. D., Jr. — (see Luo, A. C. J.) **67,** 148–154
Murakami, H., and Yamakawa, J. — Development of One-Dimensional Models for Elastic Waves in Heterogeneous Beams. **67,** 671–684

Naili, S., and Oddou, C. — Buckling of a Short Cylindrical Shell Surrounded by an Elastic Medium. **67,** 212–214(BN)
Narita, Y. — Combinations for the Free-Vibration Behaviors of Anisotropic Rectangular Plates Under General Edge Conditions. **67,** 568–573
Neumeister, J. M. — (see Bonnaud, E. L.) **67,** 629–632(BN)
Nguyen, B. N., Onck, P. R., and van der Giessen, E. — On Higher-Order Crack-Tip Fields in Creeping Solids. **67,** 372–382
Nie, J. — (see Li, S.) **67,** 777–784

Oberaigner, E. R. — (see Fischer, F. D.) **67,** 793–796
Oddou, C. — (see Naili, S.) **67,** 212–214(BN)
Oguni, K., and Ravichandran, G. — An Energy-Based Model of Longitudinal Splitting in Unidirectional Fiber-Reinforced Composites. **67,** 437–443
Ohnishi, I. — (see Shindo, Y.) **67,** 503–510
Onck, P. R. — (see Nguyen, B. N.) **67,** 372–382
O'Reilly, O. M. — (see Gulick, D. W.) **67,** 321–325
Ortt, E. M., Doss, D. J., Legall, E., Wright, N. T., and Humphrey, J. D. — A Device for Evaluating the Multiaxial Finite Strain Thermomechanical Behavior of Elastomers and Soft Tissues. **67,** 465–471
Oung, J. — (see Lee, J. H.) **67,** 288–297

Paidoussis, M. P. — (see Guo, C. Q.) **67,** 171–176
Pak, Y. Eugene — (see Lee, Kang Yong) **67,** 165–170(BN)
Papanastasiou, P. — (see Durban, D.) **67,** 552–557
Paris, A. J., and Costello, G. A. — Bending of Cord Composite Cylindrical Shells. **67,** 117–127
Paris, P. C., Zhang, L., and Tada, H. — The Top With a Blunted Vertex Slipping With Light Friction at a High Rate of Spin. **67,** 616–618(BN)
Park, S. J. — (see Roy, S.) **67,** 391–396
Parnes, R. — (see Chiskis, A.) **67,** 460–464
Paukshto, M., and Pitkin, A. — The Carothers Paradox in the Case of a Nonclassical Couple. **67,** 421–422(BN)
Petrucci, G., Di Paola, M., and Zuccarello, B. — On the Characterization of Dynamic Properties of Random Processes by Spectral Parameters. **67,** 519–526
Pitkin, A. — (see Paukshto, M.) **67,** 421–422(BN)
Poulikakos, D. — (see Haj-Hariri, H.) **67,** 626–628(BN)

Qian, D. — (see Hao, S.) **67,** 803–812
Qian, J. — (see Li, S.) **67,** 777–784

Rajesh, G., Bhagat, R. B., and Fichthorn, K. A. — Reactive Flow in a Porous Medium: Formulation for Spatially Periodic Hexagonally Packed Cylinders. **67,** 749–757
Rand, O. — Bending and Extension of Thin-Walled Composite Beams of Open Cross-Sectional Geometry. **67,** 813–818
Ravichandran, G. — (see Oguni, K.) **67,** 437–443
Renshaw, A. A. — (see Lee, K.-Y.) **67,** 823–827
Richmond, O. — (see Hector, L. G., Jr.) **67,** 155–164
Roberts, J. B., and Vasta, M. — Energy-Based Stochastic Estimation for Nonlinear Oscillators With Random Excitation. **67,** 763–771
Rodin, G. J. — Continuum Damage Mechanics and Creep Life Analysis. **67,** 193–196
Rosen, A. — Modified Lagrange Method to Analyze Problems of Sliding and Rolling. **67,** 697–704
Roy, S., Xu, W. X., Park, S. J., and Liechti, K. M. — Anomalous Moisture Diffusion in Viscoelastic Polymers: Modeling and Testing. **67,** 391–396
Ru, C. — Electrode-Ceramic Interfacial Cracks in Piezoelectric Multilayer Materials. **67,** 255–261

Santare, M. H., and Lambros, J. — Use of Graded Finite Elements to Model the Behavior of Nonhomogeneous Materials. **67,** 819–822
Sburlati, R., Madenci, E., and Guven, I. — Local Buckling of a Circular Interface Delamination Between a Layer and a Substrate With Finite Thickness. **67,** 590–596
Scherzinger, W., Chu, E., and Triantafyllidis, N. — Asymptotic Stability Analysis for Sheet Metal Forming—Part II: Application. **67,** 691–696
———, **and Triantafyllidis, N.** — Asymptotic Stability Analysis for Sheet Metal Forming—Part I: Theory. **67,** 685–690
Schweizerhof, K. — (see Doll, S.) **67,** 17–21
Segalman, D. J. — (see Butcher, E. A.) **67,** 831–834(BN)
Shah, S. — (see Ghandehari, M.) **67,** 740–748
Shahruz, S. M. — Discussion: "Response Bounds for Linear Damped Systems" (Hu, B. and Eberhard, P., 1999, ASME J. Appl. Mech., 66, pp. 997–1003). **67,** 636(D)
Shang, H. M. — (see Xi, Z. C.) **67,** 427–429(BN)

Shi, J. P., Liu, X. H., and Li, J. M. — On the Relation Between the L-Integral and the Bueckner Work-Conjugate Integral. **67,** 828–829(BN)
Shin, Jeong Woo, Kwon, Soon Man, and Lee, Kang Yong — Eccentric Crack in a Piezoelectric Strip Under Electromechanical Loading. **67,** 846–847(BN)
Shindo, Y., Ohnishi, I., and Toyama, S. — Dynamic Singular Moments in a Perfectly Conducting Mindlin Plate With a Through Crack Under a Magnetic Field. **67,** 503–510
Simmonds, J. G. — Love's Stress Function for Torsionless Axisymmetric Deformation of Elastically Isotropic Bodies With Body Forces. **67,** 628–629(BN)
Sinclair, G. B. — Logarithmic Stress Singularities Resulting From Various Boundary Conditions in Angular Corners of Plates Under Bending. **67,** 219–223(BN)
Smyth, A. W., Masri, S. F., Caughey, T. K., and Hunter, N. F. — Surveillance of Mechanical Systems on the Basis of Vibration Signature Analysis. **67,** 540–551
Spiess, H. — (see Vielsack, P.) **67,** 112–116
Steele, C. R. — Shell Stability Related to Pattern Formation in Plants. **67,** 237–247
Stronge, W. J. — Chain Reaction From Impact on Coaxial Multibody Systems. **67,** 632–635(BN)
Suo, Z. — Zener's Crack and the *M*-Integral. **67,** 417–418(BN)
Suzdalnitsky, J. — (see Ingman, D.) **67,** 383–390

Tada, H. — (see Paris, P. C.) **67,** 616–618(BN)
Tan, C. J. — (see Chao, C. K.) **67,** 511–518
Tcherniak, D. M. — (see Jensen, J. S.) **67,** 397–402
Tejeda, R. O., Lovell, E. G., and Engelstad, R. L. — In-Plane Gravity Loading of a Circular Membrane. **67,** 837–839(BN)
Teng, N. J. — (see Lin, T. H.) **67,** 338–343
Thomsen, J. J. — (see Jensen, J. S.) **67,** 397–402
Ting, T. C. T. — Common Errors on Mapping of Nonelliptic Curves in Anisotropic Elasticity. **67,** 655–657
Toyama, S. — (see Shindo, Y.) **67,** 503–510
Triantafyllidis, N. — (see Scherzinger, W.) **67,** 685–690
_____ (see Scherzinger, W.) **67,** 691–696
Tsai, C.-H. — (see Chen, W.-H.) **67,** 606–615
Tupholme, G. E. — (see Zakout, U.) **67,** 282–287
Turteltaub, S. — (see Jemiolo, S.) **67,** 248–254
Tuttle, M. E. — (see Chern, S. M.) **67,** 527–539

Uetani, K., and Araki, Y. — Steady-State Limit of Elastoplastic Trusses for the Plastic Shakedown Region. **67,** 581–589
Utsumi, M. — Low-Gravity Sloshing in an Axisymmetrical Container Excited in the Axial Direction. **67,** 344–354

van Beem, J. — (see Farquhar, T.) **67,** 496–502
van der Giessen, E. — (see Nguyen, B. N.) **67,** 372–382
Vasta, M. — (see Roberts, J. B.) **67,** 763–771
Vel, S. S., and Batra, R. C. — Three-Dimensional Analytical Solution for Hybrid Multilayered Piezoelectric Plates. **67,** 558–567
Vielsack, P., and Spiess, H. — Sliding of a Mass on an Inclined Driven Plane With Randomly Varying Coefficient of Friction. **67,** 112–116
Vohra, S. — (see Bechtel, S. E.) **67,** 197–206
Volovoi, V. V., and Hodges, D. H. — Theory of Anisotropic Thin-Walled Beams. **67,** 453–459
Vu-Quoc, L., Zhang, X., and Lesburg, L. — A Normal Force-Displacement Model for Contacting Spheres Accounting for Plastic Deformation: Force-Driven Formulation. **67,** 363–371

Wang, B. L., Han, J. C., and Du, S. Y. — Thermoelastic Fracture Mechanics for Nonhomogeneous Material Subjected to Unsteady Thermal Load. **67,** 87–95
Wang, Q. — Ill-Posedness in a Thermomechanically Consistent Constrained Theory for Materials With Prescribed Temperature-Dependent Density. **67,** 29–32
Woehl, P., and Bourgin, P. — Dynamic Wetting: Displacement of the Contact Line Induced by Air Pressure Oscillations in Its Close Vicinity. **67,** 712–716
Wong, K. K. F. — (see Lin, T. H.) **67,** 338–343
Wood, J. Z. — (see Farquhar, T.) **67,** 496–502
Wright, N. T. — (see Ortt, E. M.) **67,** 465–471
Wu, K.-C. — Nonsingular Boundary Integral Equations for Two-Dimensional Anisotropic Elasticity. **67,** 618–621(BN)
Wu, M. S., and Guo, J. — Analysis of a Sector Crack in a Three-Dimensional Voronoi Polycrystal With Microstructural Stresses. **67,** 50–58
Wu, T.-T., and Wu, T. Y. — Surface Waves in Coated Anisotropic Medium Loaded With Viscous Liquid. **67,** 262–266
Wu, T. Y. — (see Wu, T.-T.) **67,** 262–266

Xi, Z. C., Liu, G. R., Lam, K. Y., and Shang, H. M. — A Strip Element Method for Analyzing Wave Scattering by a Crack in an Axisymmetric Cross-Ply Laminated Composite Cylinder. **67,** 427–429(BN)
Xia, Z. C. — (see Chen, J. Y.) **67,** 105–111
Xu, G. — A Variational Boundary Integral Method for the Analysis of Three-Dimensional Cracks of Arbitrary Geometry in Anisotropic Elastic Solids. **67,** 403–408
Xu, N. — (see Liu, Y. J.) **67,** 41–49
Xu, W. X. — (see Roy, S.) **67,** 391–396

Yamakawa, J. — (see Murakami, H.) **67,** 671–684
Ye, G. R. — (see Chen, W. Q.) **67,** 422–424(BN)
Yigit, F., and Hector, L. G., Jr. — Critical Wavelengths for Gap Nucleation in Solidification— Part I: Theoretical Methodology. **67,** 66–76
_____, **and Hector, L. G., Jr.** — Critical Wavelengths for Gap Nucleation in Solidification— Part II: Results for Selected Mold-Shell Material Combinations. **67,** 77–86
Yu, J. H. — (see Batra, R. C.) **67,** 424–427(BN)
Yu, S. D., and Cleghorn, W. L. — Free Vibration of a Spinning Stepped Timoshenko Beam. **67,** 839–841(BN)

Zakout, U., Akkas, Z., and Tupholme, G. E. — Transient Response of an Infinite Elastic Medium Containing a Spherical Cavity Subjected to Torsion. **67,** 282–287
Zeifman, M. — (see Ingman, D.) **67,** 383–390
Zhang, L. — (see Paris, P. C.) **67,** 616–618(BN)
Zhang, X. — (see Vu-Quoc, L.) **67,** 363–371
Zheng, T., and Hasebe, N. — Nonlinear Dynamic Behaviors of a Complex Rotor-Bearing System. **67,** 485–495
Zhou, You-He — Discussion: "An Energy Method for Analyzing Magnetoelastic Buckling and Bending of Ferromagnetic Plates in Static Magnetic Fields" (Yang, W., Pan, H., Zheng, D., and Cai, Z., 1999, ASME J. Appl. Mech., 66, pp. 913–917). **67,** 638(D)
Zidi, M. — Combined Torsion, Circular and Axial Shearing of a Compressible Hyperelastic and Prestressed Tube. **67,** 33–40
_____ Large Shearing of a Prestressed Tube. **67,** 209–212(BN)
Zingales, M., and Elishakoff, I. — Anti-Optimization Versus Probability in an Applied Mechanics Problem: Vector Uncertainty. **67,** 472–484
Zingerman, K. M. — (see Levin, V. A.) **67,** 667–670
Zomaya, A. Y. — (see Fox, B.) **67,** 574–580
Zong, Z., and Lam, K. Y. — Dynamic Plastic Response of a Submarine Oil Pipeline to an Underwater Explosion Bubble. **67,** 758–762
Zuccarello, B. — (see Petrucci, G.) **67,** 519–526